



MEETING MINUTES
May 19, 2009

Attendees:

| | | |
|----------------------|--------------------------------|---------------------------------|
| Bob Allen | CDM | allenrob@cdm.com |
| Cara Ingebrigtsen | Brown & Caldwell | cingebrigtsen@brwncald.com |
| Charlie Joyce | Brown & Caldwell | cjoyce@brwncald.com |
| Don Wible | Veolia | don.wible@veoliaes.com |
| Elizabeth Hirschhorn | Whitley, Burchett & Associates | lhirschhorn@whitleyburchett.com |
| Jonathan Lee | WVSD | jlee@westvalleysan.org |
| Ken Cook | WCWD | kcook@wcwd.org |
| Lani Good | Brown & Caldwell | lgood@brwncald.com |
| Michael Laderman | CSG Consultants, Inc. | michaell@csgengr.com |
| Myron Shenkiryk | Pure Technologies | myron.shenkiryk@soundprint.com |
| Paul Winnicki | WCWD | pwinnicki@wcwd.org |
| Rob Stevens | URS Corporation | rob_stevens@urscorp.com |
| Roberts McMullin | URS Corporation | rob_mcmullin@urscorp.com |
| Sandie De Medeiros | CDM | demedeirosl@cdm.com |
| Sarah Berndt | Carollo Engineers | sberndt@carollo.com |
| Sasha Mestetsky | CCCSD | smestets@centralsan.dst.ca.us |
| Stan Shogren | Kennedy Jenks | stanshogren@kennedyjenks.com |

Presentation: *Pressure Pipeline Condition Assessment for Water and Wastewater Systems* by Myron Shenkiryk of Pure Technologies.

Myron gave an excellent presentation covering:

1. PCCP Inspection and Monitoring
2. PCCP Case Studies
3. Condition Assessment Program – Leak Detection

Highlights from the presentation include:

1. Pure Technologies specializes in inspection and monitoring of Prestressed Concrete Cylinder Pipe (PCCP).
2. PCCP can have catastrophic failures due to the high internal pumping pressures.
3. P-Wave equipment records electromagnetic data that can be analyzed to estimate the number of wire breaks along a PCCP segment.
4. Continuity testing is a way to confirm the number of wire breaks estimated during the P-Wave inspection.
5. Acoustic monitoring is a way to record wire breaks as they occur, which can determine the rate of deterioration. Fiber optic sensor cables are installed inside the PCCP to record breaks during operation. Installation of the fiber optic cables can be performed during a planned shut down, or while the pipeline is in operation.

Minutes by: Roberts McMullin, URS Corporation
Secretary, Nor Cal PUG

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6. Pure Technologies currently monitors over 500 miles of PCCP.
7. Smart Ball is a non-tethered free-swimming leak detection tool for water pipelines and sewer force mains. The ball identifies the locations of leaks along an active pipe.
8. Smart Ball is also available in the petroleum pipeline industry.
9. See <http://puretechnologiesltd.com> for more information.

Thank you Myron for a great presentation!

General:

April 21, 2008 Meeting Minutes: A motion was made to approve the minutes, which was seconded and minutes are approved with no corrections.

PUG Bylaws Update: The Board submitted the new Bylaws for membership review and vote on May 13, 2009. The deadline to return the voting ballots is May 29, 2009. A total of 19 members are required to vote in order to approve the results per the old Bylaws.

Website Update: The new website is operational and some remaining bugs are still being corrected. As a result, not all of the content is included on this site. PUG is hoping to have all of the issues corrected in July. The new website will have a links page that will provide links to vendors, publications, new technologies, and more. In addition, the PUG Board is reviewing ways to pay electronically for memberships, seminars, and training courses using credit card information on the website.

PUG Board Elections: The new Bylaws will move the elections for all Board positions to June 2010. If the Bylaws are rejected, then an election will be held in June 2009 for the Chief Financial Officer and At-Large Representative positions. PUG will report the Bylaw results.

Announcements:

2009/2010 Membership: Please submit your upcoming 2009/2010 membership renewals. Memberships cost is \$350 per entity. Remember that membership has numerous benefits, such as discounts for courses and conferences, participation in raffles held at random monthly meetings, discounts on attending the annual seminar, etc. Get your renewals and/or new member applications in today.

Financial Status: The PUG Treasurer noted that the PUG bank account contains approximately \$43,000.

SSC Webinars: SSC continues to present monthly lunch webinars covering boring, drilling, and vacuum excavation applications. See www.sscboring.com/education for more information. The upcoming webinars include:

- Large Diameter Boring Projects – **June 4, 2009**
- Benefits of Subsurface Utility Engineering – **July 9, 2009**
- Alternative Trenchless Delivery Methods – **August 6, 2009**

UIM Webinars: The Water Utility Infrastructure Management (UIM) website hosts on-line webinars related to water management. For more information, visit the UIM website:

www.uimonline.com/index/webinars. The upcoming webinars include:

- GIS/Utility Mapping by GeoSpatial – **August 1, 2009**
- Leak Detection by ADS – **October 27, 2009**
- Pipeline Condition Assessment by Pure Technologies – **November 18, 2009**

Specialty Conferences 2009: The following specialty conferences include:

- Pipeline 2009 Conference in San Diego, California – **August 16 – 19, 2009**
- WEFTEC Exhibition & Conference in Orlando, Florida – **October 10 – 14, 2009**

Board Meeting: The PUG Board met on May 5, 2009 and discussed the Bylaws, website, membership, 2010 seminar, and remaining presentations for 2009. Meeting minutes will be posted on the PUG website.

Project Discussions:

Jonathan Lee of WVSD discussed an issue with an existing 8-inch sanitary HDPE pipe that crosses a branch of the San Andreas Fault between two slip-zone areas. Seismic activity has reduced the cross sectional area of the HDPE pipe enough so a CCTV camera cannot pass to perform an internal inspection. WVSD wants to upsize the existing 8-inch conduit to a 12-inch sanitary line. In the interim, a geologist will review and monitor the area for ground movement.

Paul Winnicki discussed utilities issues for a new pipeline installation. A minimum of 6-inches clearance is required for a new pipe in proximity to existing utilities. Pot holing surveys were performed to delineate the utility area. Finally, a ductile iron pipe (DIP) was selected due to a minimum cover of 2 feet that was could not be changed.

Next Meeting: The next general meeting will be held **Tuesday, June 16, 2009** at the offices of [Brown & Caldwell located at 201 N. Civic Dr., Suite 300, Walnut Creek, CA](#). The topic will be on **Coating and Lining Solutions presented by Rocky Capehart of Sprayroq, Inc. and Inland Pipe Rehabilitation/RePipe**. Please call Roberts McMullin at 510-874-3102 or email rob_mcmullin@urscorp.com to RSVP or ask for additional information on this month's meeting minutes.